



NORTHERN ARIZONA
UNIVERSITY



Institute for Tribal Environmental Professionals



Tribal Climate Change Newsletter

September 2016

Welcome to ITEP's Tribal Climate Change Newsletter. This monthly newsletter provides news items, resources, announcements about funding opportunities, conferences, and training, and other information relevant to tribal climate change issues.

ITEP's Climate Change Program News



Arbor Day Farm, Nebraska City, NE. Photo credit: Nikki Cooley

We had a full course at our training in Nebraska City, NE, birthplace of Arbor Day, on September 13-15, where some participants attended a half-day FEMA training on September 12. The training location was held at the Lied Lodge & Conference Center and had the opportunity to tour the Arbor Day Farm including their apple orchard which is home to the Preservation Orchard. Thank you to all the participants and instructors who helped make this a successful course!

Please stay tuned and check our training website for updates on courses in the near future: http://www7.nau.edu/itep/main/Training/training_cc.

A reminder that the National Adaptation Forum (NAF) is scheduled for May 09-11, 2017 in St. Paul, Minnesota, and call for proposals opened August 08, 2016 and deadline to submit has been extended to October 14. Visit website for submission or for updates: <http://www.nationaladaptationforum.org>.

About Us:

Nikki Cooley
Co-Program Manager
Nikki.Cooley@nau.edu

Karen Cozzetto
Co-Program Manager
Karen.Cozzetto@nau.edu

Newsletter

To subscribe or unsubscribe to this newsletter, please go to www7.nau.edu/itep/main/listsrv/ where you can manage your Tribes & Climate Change Listserv and other ITEP Listserv subscriptions.

Tribes & Climate Change website

For more on tribes and climate change issues, visit ITEP's Tribes & Climate Change website at www7.nau.edu/itep/main/tcc/

ITEP's climate change program will present during the BIA session at the upcoming Native Waters on Arid Lands Tribal Summit scheduled for November 09-11, in Las Vegas, NV (<http://nativewaters-aridlands.com/>). Hope to see you there!

Happy Fall! Ahéhee! Thank you!

-Nikki Cooley and Karen Cozzetto

In The News

Tribe Trucks Totem Pole, 7,700 km Across U.S. and Canada in Fossil Fuels Protest

A Pacific Northwest tribe is traveling nearly 8,000 kilometres across and the United States with a 7-metre-tall totem pole on a flatbed truck in a symbolic journey meant to galvanize opposition to fossil fuel infrastructure projects they believe will imperil native lands. The highly visible tours, which include tribal blessing ceremonies at each stop, fit into a trend of Native American tribes bringing their environment activism to the masses as they see firsthand the effects of climate change. © 2016 National Post, Postmedia Network Inc., 09/26/16.

<http://news.nationalpost.com/news/tribe-trucks-totem-pole-7700-km-across-u-s-and-canada-in-fossil-fuels-protest>

Study: Climate Change Perceptions Vary Among Generations of Alaska's Yup'ik and Cup'ik People

By normalizing weather instability, 18-to-29-year-olds are becoming less aware of its risks. Indigenous Yup'ik and Cup'ik communities in Alaska's Lower Yukon River Basin and the Yukon-Kuskokwim Delta regions have varying perceptions of climate change-based on which age group you ask. © Colorlines 2015, 09/21/16.

<https://www.colorlines.com/articles/study-climate-change-perceptions-vary-among-generations-alaskas-yupik-and-cupik-people>

Tulallips Convene Summit on Adapting to Climate Change

On the second day of a tribal summit in the Lummi Nation's Silver Reef Hotel and Casino last week, Reggie Joule got up to speak about the importance of food to his tribe. Joule, the former mayor of the Northwest Arctic Borough, Alaska, above the Arctic Circle, said the changing climate has upset the patterns of hunting and gathering that provide most of the native community's foods, such as whale, seal and caribou. © 2016, Everett Herald and Sound Publishing, Inc., 09/20/16.

<http://www.heraldnet.com/news/tulallips-convene-summit-on-adapting-to-climate-change/>

Why the Native American Pipeline Resistance in North Dakota is About Climate Justice

Stopping DAPL is a matter of climate justice and decolonization for indigenous peoples. It may not always be apparent to people outside these communities, but standing up for water quality and heritage are intrinsically tied to these larger issues. Climate justice – the idea that it is ethically wrong for some groups of people to suffer the detrimental effects of climate change more than others – is among the most significant moral issues today, referenced specifically in the landmark Paris Agreement of the United Nations Framework Convention on Climate Change. © 2016 Hearst Media Services Connecticut, LLC., 09/16/16.

<http://www.fairfieldcitizenonline.com/news/article/Why-the-Native-American-pipeline-resistance-in-9227326.php>

Standing Rock Sioux on the Front Lines of the Climate Emergency

Indigenous people are among the most vulnerable communities on the front lines of the climate crisis, and are leading the fight. Corporations have repeatedly used force to extract fossil fuels from their lands with approval from government attorneys and military forces. Major pipeline projects invariably cut across Native lands while bypassing white suburban communities. © 2016 Capitol Hill Publishing Corp., 09/15/16.

<http://thehill.com/blogs/pundits-blog/energy-environment/296055-standing-rock-sioux-on-the-front-lines-of-the-climate>

World Conservation Congress Approves Historic Measure to Protect Indigenous Sacred Lands

In a landmark move that adds win to the sails of indigenous struggles to protect sacred lands everywhere, the International Union for the Conservation of Nature (IUCN) has passed a resolution declaring that all protected areas and the sacred lands of Indigenous Peoples should be 'No-Go Areas' for destructive industrial activities like mining, dam-building and logging. © 2016 IC Magazine, 09/14/16.

<https://intercontinentalcry.org/world-conservation-congress-approves-historic-measure-protect-indigenous-sacred-lands/>

Photo Diary: A Week in Rural Alaska Where Climate Change is Threatening a Village, Its School and Way of Life

There are no roads that lead to Newtok, Alaska, an indigenous village about 480 miles southwest of Anchorage, near the Bering Sea coast. To get there requires a flight on a propeller plane or a very long boat ride. The water is creeping dangerously close to houses and the Newtok School, the highest point in the village. By some estimates, the water could

reach the school by 2017, making it the first in the United States to be shuttered because of climate change © 2016 The 74 Media, Inc., 09/12/16.

<https://www.the74million.org/article/photo-diary-one-week-in-newtok-alaska-where-climate-change-is-threatening-a-village-its-school-and-a-way-of-life>

Audio: Native Americans Adapting to Changes in What-Grows-Where

Native American tribes are learning how to adapt to the climate changes affecting their traditions. Hunting and gathering are deeply embedded in the cultures of many Native American tribes. But as the climate changes, the animals and plants available are changing, too. 1min 30sec. © 2016 Yale Climate Connections, 09/09/16.

<http://www.yaleclimateconnections.org/2016/09/native-americans-adapting-to-climate-changes/>

Indigenous Tribes Protest Against Destructive Pipeline

Violence and mass civil disobedience ensued as environmental activists and over 100 Native American tribes converged in the past few weeks to protest and stop a \$3.8 billion oil pipeline planned to transfer oil across four states. The recent trend of increasing oil and gas production in the United States has contributed to the growing effects of anthropogenic climate change. Climate change affects all of us and will become more violent unless all people resist powerful oil companies. © 1996-2016 Biola University, Inc., 09/07/16.

<http://chimes.biola.edu/story/2016/sep/07/indigenous-tribes-protest-against-destructive-pipe/>

Threat of Salmon Extinction Turns Small Tribe Into Climate Researchers

Gary MacWilliams wants to save his heritage. A member of the Nooksack Indian Tribe of northwestern Washington state and an occasional fisherman—a job at which he sheepishly says he did “reasonably well”—the 63-year-old has seen ups and downs in local fishing. Nonetheless, he says, there’s a clear trend: Salmon, the bedrock of his culture, are under increasing threat from climate change. © 2016 YES! Magazine, 09/06/16.

<http://www.yesmagazine.org/people-power/threat-of-salmon-extinction-turns-small-tribe-into-climate-researchers-20160906>

Resources

Article: Changing Times, Changing Stories: Generational Differences in Climate Change Perspectives from Four Remote Indigenous Communities in Subarctic Alaska

Indigenous Arctic and Subarctic communities currently are facing a myriad of social and environmental changes. In response to these changes, studies concerning indigenous knowledge (IK) and climate change vulnerability, resiliency, and adaptation have increased dramatically in recent years. Risks to lives and livelihoods are often the focus of adaptation research; however, the cultural dimensions of climate change are equally important because cultural dimensions inform perceptions of risk. Furthermore, many Arctic and Subarctic IK climate change studies document observations of change and knowledge of the elders and older generations in a community, but few include the perspectives of the younger population. These observations by elders and older generations form a historical baseline record of weather and climate observations in these regions. 2016.

<http://www.ecologyandsociety.org/vol21/iss3/art28/>

Climate Modeling 101

This site is a primer on how climate models work. The information is based on expert consensus reports from the National Research Council’s Board on Atmospheric Sciences and Climate. 2016.

<http://nas-sites.org/climate-change/climatemodeling/>

State Annual and Seasonal Time Series (NOAA)

The graphics presented here depict historical temperature averages for U.S. states since 1895. They are derived from the current U.S. Climate Division Database (*nClimDiv*), which has been used in climate monitoring at NCEI since March 2014. The *nClimDiv* database has several major improvements over its predecessor, including the addition of many more temperature stations, the application of NCEI’s modern array of quality control algorithms, and the use of new methodologies that improve accuracy in data-sparse regions. 2016.

<http://www.ncdc.noaa.gov/temp-and-precip/state-temps/>

Transportation and River Flooding: U.S. Climate Resilience Toolkit (National Academy of Sciences)

Extreme events increasingly threaten land-, water-, and air-based transportation systems and supply chains. Explore where projections show river flooding impacting transportation systems in the next 3-7 days with this Climate Explorer data layer.

<http://toolkit.climate.gov/climate-explorer2/topic.php?param=transportation>

Other Items of Interest

AmeriCorps VISTA Volunteer on Climate Change Projects for the Tribal Colleges & Universities/VISTA Program (AmeriCorps)

The Native Climate Resilience Network (NCRN) is a coordinated effort across Tribal communities to identify and plan for local climate change issues. Tribal Colleges and Universities (TCUs) develop site specific projects that integrate traditional, culturally specific ecological knowledge with western science practice in an effort to plan for locally identified climate change issues and to strengthen and develop partnerships with climate change experts. Deadline: TBD

<https://environment.uw.edu/wp-content/uploads/2016/05/NCRN-Flyer.pdf>

Call for Student Climate Justice Abstracts (Environmental Justice: Interagency Working Group)

The *Educate, Motivate and Motivate (EMI) Climate Justice Initiative* is seeking abstracts that address resiliency, adaptation, and mitigation. Students should emphasize the relationships between climate change and the following: public health, cultural and traditional practices, economic development, and environmental justice communities. **Deadline: 11/14/16.**

<https://www.youtube.com/watch?v=liHpESiFOqE>

Job announcement: Director, Department of Environmental Quality (Gila River Indian Community)

This is a key administrative functional position that is responsible for the overall direction, management and operation of all environmental quality program projects and activities; coordinates the design and implementation of programs designed to maintain and improve the quality of the environment in the area of land, water and air quality; ensure compliance with U.S. Environmental Protection Agency (regional and federal), Community ordinances and applicable grantors; establishes departmental policies, goals and strategies to resolve managerial concerns; and is responsible for budget and program review of all program activities. **Deadline: Open Until Filled.**

<http://vss.gric.nsn.us/job/164542.pdf>

Job announcement: Tribal Climate Science Liaison (AIHEC and DOI)

This full-time, professional position will provide direct extension support to Tribes and Tribal colleges (TCUs) located in Arizona, Utah, Nevada and California, the states comprising the service area of the Department of the Interior Southwest Climate Science Center (SW CSC), located on the campus of the University of Arizona in Tucson, AZ. The position will work with the SW CSC to develop and implement a communication, education and outreach program involving Tribal governments, schools and communities focused on supporting climate resilience planning and implementation. Tribal community-based activities to be supported by the climate science liaison include outreach/engagement, education and research associated with mobilizing community response to anticipated environmental, health, and safety impacts of climate change. **Deadline: 10/12/16.**

http://www.aihec.org/what-we-do/docs/announce/2016AIHEC_TribalClimateScienceLiaisonPosition.pdf

Spring/Summer 2016 K-12 BIE/BIA Tribal Student Climate Change Photo Contest (BIE/BIA)

Using a classroom or cell phone camera, take a picture of things of value in your community that climate change might affect, include a climate caption, and submit the photo or questions by e-mail. **Deadline: 11/30/16.**

<http://www.indianaffairs.gov/cs/groups/webteam/documents/document/idc1-032906.pdf>

Funding Opportunities

NOTE: More Funding Opportunities can be found at the Tribes & Climate Change website:

<http://www7.nau.edu/itep/main/tcc/Resources/funding>. Also, see the Tribal Climate Change Guide maintained by the Pacific Northwest Tribal Climate Change Project at the Univ. of Oregon: <http://tribalclimateguide.uoregon.edu/>

First Steps Toward Developing Renewable Energy and Energy Efficiency on Tribal Lands Program (DOE)

This FOA is soliciting applications from Indian Tribes (including Alaska Native Regional Corporations and Village Corporations) and Tribal Energy Resource Development Organizations to: (1) Conduct energy options analyses (Topic Area 1); (2) Establish baseline energy use and efficiency options (Topic Area 2); (3) Develop energy organizations (Topic Area 3); (4) Conduct climate resiliency planning (Topic Area 4); (5) Establish policy, regulations, and codes to reduce energy use or promote energy development (Topic Area 5); and, (6) Obtain skills and training related to energy use and development (Topic Area 6). Eligibility includes federally recognized tribal organizations and governments. Funding opportunity # DE-FOA-0001621. **Deadline: 10/20/16.**

<http://www.grants.gov/web/grants/search-grants.html>

FY 2017 Climate Program Office (OAR, NOAA, Dept. of Commerce)

This funding opportunity is focused on conducting and supporting weather and climate research, oceanic and atmospheric observations, modeling, information management, assessments, interdisciplinary decision-support research, outreach,

education, and partnership development. Climate variability and change present society with significant economic, health, safety, and security challenges and opportunities. In meeting these challenges, and as part of NOAA's climate portfolio within the Office of Oceanic and Atmospheric Research (OAR), the Climate Program Office (CPO) advances scientific understanding, monitoring, and prediction of climate and its impacts, to enable effective decisions. These investments are key to NOAA's mission of "Science, Service, and Stewardship" and are guided by the agency's vision to create and sustain enhanced resilience in ecosystems, communities, and economies. Funding opportunity # NOAA-OAR-CPO-2017-2004896.

Deadline: 10/24/16.

<http://www.grants.gov/web/grants/search-grants.html>

"Supporting Resilient Coastal Communities in a Changing Climate" Competition (NOAA, COCA)

The Coastal and Ocean Climate Applications (COCA) program addresses the needs of decision-makers dealing with pressing climate-related issues in coastal and marine environments. The program is designed to support interdisciplinary teams of researchers in the development and transition of climate-related research and information to advance decision-making in coastal communities and coastal and marine ecosystems. For the FY17 competition, we define "coastal communities" as one or more coastal counties, cities, towns, neighborhoods, tribes, etc. Tribes or indigenous communities do not need to be federally recognized in order to be eligible for this funding opportunity. Outcomes of COCA projects inform the response and coping capacity of decision-making and management communities to climate variability and change.

Eligibility includes federal and non-federally recognized tribes. **Deadline: 10/24/16.**

http://cpo.noaa.gov/sites/cpo/GrantsandProjects/2017/FY17COCAInformationSheet_Final.pdf

Stanislaus River Salmon Project (USFWS)

Staff that work pursuant to the Central Valley Project Improvement Act (CVPIA) in California's Central Valley have a need for timely access to standardized, high-quality adult and juvenile salmonid monitoring data. To address that need, this Notice of Funding Opportunity (NOFO) will provide funds used for: (1) collecting and reporting new juvenile Chinook salmon and steelhead monitoring data collected with rotary screw traps deployed near Caswell State Park on the Stanislaus River in California's Central Valley, and (2) data entry and management activities that transfer historical adult Chinook salmon escapement data from a variety of paper and digital data formats to a standardized database structure.

Eligibility is unrestricted. Funding opportunity # F16AS00433. **Deadline: 10/26/16.**

<http://www.grants.gov/search-grants.html?fundingCategories%3DAG%7CAgriculture>

Agriculture and Food Research Initiative Competitive Grants Program (USDA)

This RFA available funding to support research to facilitate the adaptation of agroecosystems and natural resource systems to climate variability and the implementation of mitigation strategies. Applicants can apply to two program areas: "Climate and Land-Use," which aims to develop agricultural programs resilient to the effects of climate change, and "Climate Masters Outreach and Extension," which aims to conduct community-based educational outreach for better understanding of climate, extreme weather events, energy, conservation, preparedness, and the impact of informed decision-making. Eligibility includes federally recognized tribes. Funding opportunity # USDA-NIFA-AFRI-005942. **Deadline: 11/17/16.**

<https://nifa.usda.gov/sites/default/files/rfa/FY2016%20AFRI%20Agriculture%20and%20Natural%20Resources%20Science%20for%20Climate%20Variability%20and%20Change%20Challenge%20Area.pdf>

FY17 Coral Reef Conservation Program, Domestic Coral Reef Conservation Grants (NOS, NOAA, Department of Commerce)

This funding opportunity is soliciting applications intended to support coral reef conservation projects in shallow water coral reef ecosystems, including reefs at mesophotic depths, in American Samoa, the Commonwealth of the Northern Mariana Islands, Florida, Guam, Hawaii, Puerto Rico, the U.S. Virgin Islands, and coral-dominated banks in the U.S. portions of the Gulf of Mexico. Eligibility includes federally recognized Indian tribal governments. Funding opportunity # NOAA-NOS-OCM-2017-2005011. **Deadline: 01/11/17.**

<http://www.grants.gov/web/grants/search-grants.html>

Upcoming Events

NOTE: More Upcoming Events can be found at the Tribes & Climate Change website:

<http://www7.nau.edu/itep/main/tcc/Home/Events>

October 2016

Conference: Annual EPA Region 6 Stormwater Conference

October 02-06, Oklahoma City, OK. Offered by the EPA. This conference will address and discuss the various issues and challenges of managing municipal stormwater, as well as new and upcoming rules and regulations.

<https://www.epa.gov/ok/18th-annual-epa-region-6-stormwater-conference>

Webinar: The Future Fate of the Greenland and Antarctic Ice Sheets and Implications for New England

October 05, 3:30-4:30 p.m. EST. Offered by the Northeast Climate Science Center. New climate and ice-sheet modeling, calibrated to past changes in sea-level, is painting a stark picture of the future fate of the polar ice sheets if greenhouse gas emissions continue unabated. Here, we will explore the sensitivity of the great polar ice sheets to a warming atmosphere and ocean, and the potential for thresholds to be exceeded that could lead to drastic sea-level rise over coming decades and centuries. Importantly for New England, future sea-level rise caused by retreating ice-sheets will not be the same everywhere around the world, and we will learn why the Northeastern US has much more to fear from the loss of ice on Antarctica than it does from Greenland. Finally, we'll discuss the potential for policy and aggressive mitigation strategies like those discussed at the 2015 Paris Climate Conference (COP21) to dramatically reduce the risk of coastal flooding in the Northeastern US and around the world.

<http://necsc.umass.edu/webinars/future-fate-greenland-and-antarctic-ice-sheets-and-implications-new-england>

Conference: Annual Southeast Florida Regional Climate Leadership

October 05-06, West Palm Beach, FL. Offered by the Palm Beach County. At this conference we'll focus on real stories of real success in communities, business and political sectors examining the environmental, economic and direct consequences of climate change. Better still, we'll address management strategies to help residents, businesses and political leaders pro-actively take steps to make communities more resilient with emphasis on economic vitality. This year we'll update the Regional Climate Action Plan, so we'll ask you about your vision for the future.

<http://www.climateleadershipsummit.com/>

Conference: Great Lakes Adaptation Forum

October 05-07, Ann Arbor, MI. Offered by the Great Lakes Integrated Sciences & Assessments. The forum will bring together hundreds of practitioners and researchers from across the Great Lakes region of Canada and the United States for 3 days of sharing climate adaptation and resilience solutions and products in an engaged learning program.

<http://graham.umich.edu/climate/forum-2016>

Training: Climate Training for New Mexico Tribes & Pueblos

October 05-07, Jemez Pueblo, NM. Offered by the Flower Hill Institute, Pueblo of Jemez & South Central Climate Science Center. A climate science workshop open to tribal leaders and staff. Registration limited to 35 participant so registrar today! For registration and other information, contact Kim Merryman: kmerryman@ou.edu or (405) 534-0003.

Conference: Partnership Opportunities with Indian Forestry: A Tribal Perspective

October 05-07, Northern Quest Casino, Airway Heights, WA. Offered by The Society of American Foresters and Intertribal Timber Council. The Society of American Foresters (SAF) and the Intertribal Timber Council (ITC) invite you to attend our first conference to learn about tribal forestry visions and practices, and explore ways in which you and your organization can create, maintain, and improve partnerships.

<http://www.forestry.org/media/docs/iesaf/2016SAF-ITC-final%20publicity%20flyer.pdf>

Webinar: Fishtail: A Decision Support Tool for Assessing the Conservation Status of Stream Fish Habitats in the NE CSC Region

October 12, 3:30-4:30 p.m. EST. Offered by the Northeast Climate Science Center. The intent of this webinar is to introduce a decision support tool that displays results of a stream fish habitat condition assessment for current and future time periods in the NE CSC region. To characterize current condition of stream habitats, we developed three indices based on fish species response to land use, water quality impairment, and stream fragmentation by large dams. Using these indices, streams were scored to reflect their risk of habitat degradation. We also classified streams based on current climate and sensitivity of fish species to a suite of water temperature and flow metrics.

<http://necsc.umass.edu/webinars/fishtail-decision-support-tool-assessing-conservation-status-stream-fish-habitats-ne-csc>

Webinar: Large-scale traps and conifer encroachment: Using archaeological data to plan the greater sage grouse conservation effort

October 12, 10:00-11:00 a.m. PST. Offered by the Great Basin Landscape Conservation Cooperative. Multiple federal, state, and local governments and agencies are currently working on conservation efforts for the greater sage grouse. Some of these anticipated efforts will involve the removal of pinyon and juniper trees thought to be encroaching into sage grouse habitat that formerly consisted primarily of sagebrush. Conflicting evidence abounds, however, as to precisely where and when conifer encroachment has occurred across the Great Basin over the past 200 years. Aboriginal large-scale traps (principally pronghorn antelope corrals) built at the sagebrush-conifer interface more than 200 years ago can directly inform on the location and timing of recent conifer encroachment. These data should be utilized by biologists when planning sage grouse conservation efforts.

<https://attendee.gotowebinar.com/register/491668991308676354>

Conference: 2016 Mountain Climate Conference

October 17-21, Leavenworth, WA. Offered by the Consortium for Integrated Climate Research in Western Mountains The conference will continue the tradition of excellence established by over a decade of meetings by working at the intersection of intersection of climate and a host of other scientific disciplines including hydrology, ecology, and glaciology. In addition, the conference will explore the central theme: *Mountains Without Snow: What are the Consequences?*.

<http://www.mtnclim.org/>

Conference: 43rd Natural Areas Conference

October 18-21, Davis, CA. Offered by the Natural Areas Association. The conference will focus on the nuts-and-bolts of climate change adaptation, with the target audience being organizations and individuals involved in on-the-ground natural areas management.

<https://naturalareas.org/conference>

Conference: 2016 Climate Strategies Forum, West Coast

October 19-21, San Diego, CA. Offered by the Association of Climate Change Officers. Climate Strategies Forum events are the premier programs centered on formal climate change preparedness training for credit applicable to credentials issued under the CCO CertificationTM program.

<http://www.climatestrategiesforum.org/>

Webinar: North Central U.S. Climate Summary and Outlook Webinar Series

October 20, 1:00-2:00 p.m. CDT. Offered by the High Plains Regional Climate Center. The focus of these presentations is the north central portion of the U.S. that generally stretches from the Great Lakes/Ohio River Basin to the Rockies. There will be time at the end of the presentation for questions. Please note, you need only to sign up once for all of the 2016 monthly webinars.

<https://www.drought.gov/drought/calendar/events/north-central-us-climate-summary-and-outlook-webinar-sept-15>

November 2016**Conference: Resilience Emerging From Scarcity and Abundance**

November 06-09, Phoenix, AZ. Offered by the ASA, CSSA and SSSA. This annual meeting is one of the few gatherings that brings together more than 4,000 scientific leaders from industry, government agencies, and academic institutions in one unique environment. It's the premiere opportunity for professionals working in the agronomic, crop, soil, and related sciences to hear about the latest research, meet and learn from their peers, expand their knowledge base, and take advantage of an abundance of networking opportunities to enhance their career.

<https://www.acsmeetings.org/>

Conference: 2nd Annual Native Waters on Arid Lands Tribal Summit

November 09-10, Las Vegas, NV. Offered by the USDA and NIFA. Native Waters on Arid Lands project seeks to build capacity among tribal communities in the Great Basin and American Southwest to enhance climate resiliency of water resources and agriculture.

<http://nativewaters-aridlands.com/>

Conference: 2016 AWRA's Annual Conference

November 13-17, Orlando, FL. Offered by the AWRA. With a reputation as one of the most topically diverse and inclusive conferences covering the broad field of water resources, the AWRA Annual Conference connects attendees to all of the vital conversations happening in and around all water resources disciplines.

<http://www.awra.org/meetings/Orlando2016/index.html>

Conference: 7th Annual Northwest Climate Conference

November 14-17, Stevenson, WA. The annual NW Climate Conference is the region's premier opportunity for a cross-disciplinary exchange of knowledge and ideas relating to climate impacts and adaptation

<http://pnwclimateconference.org/>

Conference: Office of Indian Energy Program Review

November 14-17, Denver, CO. Offered by the DOE. Hosted by the U.S. Department of Energy (DOE) Office of Indian Energy, this annual Program Review is a tremendous opportunity for Indian tribes to meet, share information, and learn from other Indian tribes that are pursuing energy sufficiency through energy efficiency and/or renewable energy development, and to share in each other's successes. The 2016 Program Review will feature project status updates from tribes across the nation who are leveraging Office of Indian Energy grant funding to deploy energy efficiency and renewable energy technologies and those entities developing an inter-tribal technical assistance energy network.

<http://www.energy.gov/indianenergy/events/office-indian-energy-program-review>

Training: Do No Harm 2016 Workshop

November 15, Davis, CA. Offered by the UC-Agriculture & Natural Resources, UC Davis, and UC Riverside. Long term objectives are to address a different topic in restoration annually that is both expedient and practicable. This year we focus on the use of non-local plant materials in restoration activities to: 1) Identify stumbling blocks to achieving ecologically and economically successful restoration of disturbed lands in California; 2) Bring experts, practitioners, suppliers, and policy makers together to develop best management practices to overcome these obstacles.

[http://ucanr.edu/sites/UC ANR Do No Harm/](http://ucanr.edu/sites/UC_ANR_Do_No_Harm/)

December 2016**Conference: 8th National Summit on Coastal and Estuarine Restoration**

December 10-15, New Orleans, LA. Offered by the Restore America's Estuaries and The Coast Society. This annual summit brings together the restoration and coastal management communities for robust discussions that explore critical issues, solutions and lessons learned that face our nation's coasts and estuaries.

<https://www.estuaries.org/Summit>

You are receiving this email because you are subscribed to ITEP's Tribes & Climate Change Listserv. To manage your ITEP listserv subscriptions, go to <http://www7.nau.edu/itep/main/listsrv/>. Thank you!

©2016 Institute for Tribal Environmental Professionals at Northern Arizona University
email: itep@nau.edu